

**I CLAIM:**

1. A blue tooth ear piece comprising:
  - a receiver device for attaching onto ears of users, and a talking device for talking phones,
  - 5 a circuit board including a speaker coupled thereto and attached to said receiver device for receiving the phones,
  - a microphone coupled to said circuit board and attached to said talking device for talking the phones, and
  - a temperature detector attached to said receiver device for
  - 10 detecting body temperature of the users.
2. The blue tooth ear piece as claimed in claim 1, wherein said circuit board includes a CPU, a blue tooth circuit coupled to said CPU, and an antenna coupled to said blue tooth circuit for telecommunicating purposes.
- 15 3. The blue tooth ear piece as claimed in claim 2, wherein said circuit board includes a modulator coupled between said CPU and said speaker and said microphone respectively.
4. The blue tooth ear piece as claimed in claim 2, wherein said circuit board includes a temperature detecting circuit coupled
- 20 between said CPU and said temperature detector for actuating said temperature detector to detect the body temperature of the users.
5. The blue tooth ear piece as claimed in claim 4, wherein said circuit board includes a key coupled to said temperature detecting circuit to selectively operate said temperature detecting circuit to
- 25 actuate said temperature detector to detect the body temperature.
6. The blue tooth ear piece as claimed in claim 1 further comprising a blue tooth receiver to receive the body temperature of the users from said blue tooth ear piece.